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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/810,302	03/16/2001	Rasheed O. Yusuf	00-1020	9105
42645	7590 04/26/2005		EXAMINER	
PHOENIX TECHNOLOGIES LTD. 915 MURPHY RANCH ROAD			WANG, ALBERT C	
MILPITAS, (			ART UNIT	PAPER NUMBER
ŕ			2115	
	•		DATE MAILED: 04/26/2005	

DATE MAILED: 04/20/200

Please find below and/or attached an Office communication concerning this application or proceeding.

ງ	Application No.	Applicant(s)	
Supplemental			
Notice of Allowability	09/810,302 Examiner	YUSUF, RASHEED O. Art Unit	
	Albert Wang	2115	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap ) or other appropriate communication IGHTS. This application is subject t	plication. If not included now will be mailed in due course. THIS	
1. This communication is responsive to interview April 20, 20	<u>005</u> .		
2. The allowed claim(s) is/are <u>2-11, renumbered as 1-10</u> .			
3. $\boxtimes$ The drawings filed on <u>16 March 2001</u> are accepted by the	Examiner.		
4. Acknowledgment is made of a claim for foreign priority uses a) All b) Some* c) None of the:  1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 1. Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  5. A SUBSTITUTE OATH OR DECLARATION must be submained including changes required by the Notice of Draftspering (a) including changes required by the Notice of Draftspering including changes required by the attached Examined Paper No./Mail Date  [b) including changes required by the attached Examined Paper No./Mail Date  [bi changes included by the attached Examined Paper No./Mail Date  [continued in the complex of the priority documents have a point of the paper No./Mail Date  [continued in the complex of the priority documents have a point of the paper No./Mail Date  [continued in the complex of the priority documents have a point of the paper No./Mail Date  [continued in the complex of the priority documents have a point of the paper No./Mail Date  [continued in the complex of the priority documents have a point of the paper No./Mail Date  [continued in the priority documents have a point of the priority document	e been received. e been received in Application No comments have been received in this of this communication to file a reply MENT of this application.  nitted. Note the attached EXAMINER res reason(s) why the oath or declara st be submitted. son's Patent Drawing Review ( PTO - 's Amendment / Comment or in the G 1.84(c)) should be written on the drawi the header according to 37 CFR 1.121(	national stage application from the complying with the requirements  I'S AMENDMENT or NOTICE OF ation is deficient.  -948) attached  Office action of the back) of (d).  must be submitted. Note the	
Attachment(s)			
1. Notice of References Cited (PTO-892)	5. Notice of Informal F	Patent Application (PTO-152)	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ⊠ Interview Summary Paper No./Mail Da		
3. Information Disclosure Statements (PTO-1449 or PTO/SB/Paper No./Mail Date	08), 7. 🛛 Examiner's Amend	ment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit	<ol> <li>Examiner's Statem</li> <li>Other</li> </ol>	ent of Reasons for Allowance	
of Biological Material	SUPERVI	THOMAS LEE Sury Patent Examiner (Ology Center 2100	

U.S. Patent and Trademark Office PTOL-37 (Rev. 1-04) Art Unit: 2115

## **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Loren McRoss (Reg. No. 40,427) on April 20, 2005.

Claims 4 and 8 in the application has been amended as follows:

4. (Currently Amended) A method of delivering a payload to a storage device of a computer system comprising a payload delivery application, a basic input/output system (BIOS) that provides interrupt 13h services, a disk operating system (DOS) including a DOS filing system, and an interrupt (Int) 21h read only memory (ROM) client loader, the method comprising the steps of:

turning on the computer system to initiate a power-on-self-test (POST) procedure; saving an [the] interface to the storage device;

hooking the [an] interface to the storage device using the Int 21h ROM client loader during the POST procedure;

loading the disk operating system at the conclusion of the POST procedure; calling the storage device interface from the disk operating system;

calling the payload delivery program using the Int 21h ROM client loader in response to the storage device interface call;

executing the payload delivery program to deliver the payload to the storage device; and

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after payload loading is complete, restoring the stored storage device interface with the Int 21h ROM client loader.

8. (Currently Amended) A method of delivering a payload to a storage device of a computer system, comprising the steps of:

configuring the computer system to have a payload delivery application for delivering the payload to the storage device, a disk operating system (DOS) including a DOS filing system, a filing system interface for interfacing between the payload delivery application and the DOS filing system for performing open, close, read and write tasks on the storage device, a basic input/output system (BIOS) that provides interrupt 13h services that interfaces with the DOS filing system, and an Int 21h read only memory (ROM) client loader (RCL) comprising Int 21h RCL startup code and Int 21h RCL run-time code;

turning on the computer system to initiate a power-on-self-test (POST) procedure; running the Int 21h RCL startup code late in the POST procedure; saving an [the] interface to the storage device;

hooking the [an] interface to the storage device with the startup code so that the Int 21h RCL run-time code can get called;

loading the disk operating system at the conclusion of the POST procedure; starting the Int 21h RCL run-time code;

calling the storage device interface from the disk operating system;

calling the payload delivery program using the RCL run-time code in response to the storage device interface call;

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executing the payload delivery program to deliver the payload to the storage device; and

after payload loading is complete, restoring the stored storage device interface with the

Int 21h ROM client loader run-time code.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Albert Wang whose telephone number is 571-272-3669. The

examiner can normally be reached on M-F (9:30 - 6:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Thomas C. Lee can be reached on 571-272-3667. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

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system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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April 20, 2005

SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2100